

THAT WHICH IS CLAIMED:

1. A system for monitoring access to a transport container, comprising:
 - a monitoring unit secured to the transport container;
 - 5 at least one sensor in operable communication with said monitoring unit, said at least one sensor being structured to detect incidents of access to the transport container and to communicate data corresponding to the access incidents to said monitoring unit;
 - 10 an interface unit being configured to communicate with said monitoring unit;
 - 15 at least one data key configured to communicate with said monitoring unit, said at least one data key is capable of being configured as at least one of an activation key and a deactivation key, wherein said activation key is configured to activate said monitoring unit so that said monitoring unit begins to monitor access to the transport container, said deactivation key is configured to deactivate said monitoring unit; and wherein said monitoring unit is configured to communicate data corresponding to the access incidents to said interface unit.
2. A system according to Claim 1, wherein said monitoring unit comprises:
 - 20 a controller, said controller being configured to communicate with said at least one sensor, said activation key and said deactivation key;
 - 25 a power supply in operable communication with said controller;
 - 30 a data repository in operable communication with said controller and being structured to store the data corresponding to access incidents;
 - 35 a transmitter in operable communication with said controller, said transmitter being configured to communicate data corresponding to the access incidents to said interface unit; and
 - 40 a receiver in operable communication with said controller, said receiver being configured to receive communications from said interface unit.

3. A system according to Claim 1, wherein said interface unit is configured to communicate to said activation key an activation code and data corresponding to the contents of the transport container, and wherein said activation key is configured to communicate the activation code and data corresponding to the 5 contents of the transport container to said monitoring unit.

4. A system according to Claim 3, wherein the activation code comprises data corresponding to the operator of said interface unit communicating with said activation key.

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5. A system according to Claim 1, wherein said interface unit is configured to communicate to said deactivation key a deactivation code, and wherein said deactivation key is configured to communicate the deactivation code to said monitoring unit.

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6. A system according to Claim 5, wherein the deactivation code comprises data corresponding to the operator of said interface unit communicating with said deactivation key.

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7. A system according to Claim 5, wherein said monitoring unit is configured to communicate to said deactivation key the data corresponding to the contents of the transport container and the data corresponding to the access incidents.

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8. A system according to Claim 7, wherein said deactivation key is configured to communicate to said interface unit the data corresponding to the contents of the transport container and the data corresponding to the access incidents.

9. A system according to Claim 7, wherein said monitoring unit is configured to communicate to said deactivation key data corresponding to the operator of said interface unit communicating with said activation key and data corresponding to the operator of said interface unit communicating with said deactivation key, and
5 wherein said deactivation key is configured to communicate to said interface unit the data corresponding to the contents of the transport container, data corresponding to the access incidents, data corresponding to the operator of said interface unit communicating with said activation key, and data corresponding to the operator of said interface unit communicating with said deactivation key.

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10. A system according to Claim 1 wherein said monitoring unit is configured to communicate the data corresponding to the access incidents to said interface unit through wireless communication.

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11. A system according to Claim 1 wherein said monitoring unit is configured to communicate the data corresponding to the access incidents to said interface unit through low-earth orbiting satellite communication.

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12. A system according to Claim 1 wherein said interface unit comprises at least one programming unit and a second controller, said at least one programming unit being configured to communicate with said second controller.

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13. A system according to Claim 1 wherein said at least one sensor comprises a sensor selected from the group consisting of an infrared motion sensor, an optical sensor, a temperature sensor, a sound sensor, a vibration sensor, a magnetic switch, and a radiation sensor.

14. A system for monitoring access to a transport container, comprising:
a monitoring unit secured to the transport container;
at least one sensor in operable communication with said monitoring unit, said
at least one sensor being structured to detect incidents of access to the transport
5 container and to communicate data corresponding to the incidents to said monitoring
unit; and
at least one data key configured to communicate with said monitoring unit, said
at least data key is capable of being configured as at least one of an activation key and
a deactivation key, wherein said activation key is configured to activate said
10 monitoring unit so that said monitoring unit begins to monitor access to the transport
container, said deactivation key is configured to deactivate said monitoring unit; and
wherein said monitoring unit is configured to communicate data corresponding
to the access incidents to said deactivation key.
15. 15. A system according to Claim 14, wherein said monitoring unit
comprises:
a controller, said controller being configured to communicate with said at least
one sensor, said activation key and said deactivation key;
a power supply in operable communication with said controller; and
20 a data repository in operable communication with said controller and being
structured to store the data corresponding to access incidents.
16. A system according to Claim 14, wherein said activation key comprises
a data repository, said data repository storing an activation code and data
corresponding to the contents of the transport container, and wherein said activation
key is configured to communicate the activation code and data corresponding to the
contents of the transport container to said monitoring unit.
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17. A system according to Claim 14, wherein said deactivation key
comprises a data repository, said data repository storing a deactivation code.
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18. A system according to Claim 14, wherein said monitoring unit is structured to communicate to said deactivation key the data corresponding to the contents of the transport container.

5 19. A system according to Claim 14 wherein said at least one sensor comprises a sensor selected from the group consisting of an infrared motion sensor, an optical sensor, a temperature sensor, a sound sensor, a vibration sensor, a magnetic switch, and a radiation sensor.

10 20. A computer program product for monitoring access to a transport container, the computer program product comprising a computer-readable storage medium having computer-readable program code portions stored therein, the computer-readable program portions comprising:

15 an executable portion for identifying an activation key, said executable portion activates at least one sensor structured to detect incidents of access to the transport container, said executable portion receives data corresponding to the access incidents from the at least one sensor, and wherein said executable portion communicates the data corresponding to the access incidents to an interface unit.

20 21. A computer program product according to Claim 20 wherein said executable portion stores the data corresponding to access incidents in a data repository.

22. A computer program product according to Claim 20 wherein said 25 executable portion receives an activation code and data corresponding to the contents of the transport container from the activation key.

23. A computer program product according to Claim 20 wherein said 30 executable portion identifies a deactivation key, and wherein said executable portion communicates the data corresponding to the access incidents to the deactivation key.

24. A computer program product according to Claim 23 wherein said executable portion receives a deactivation code from the deactivation key.

5 25. A computer program product according to Claim 24 wherein said executable portion communicates to the deactivation key the data corresponding to the contents of the transport container.

10 26. A computer program product for activating and deactivating a monitoring unit for monitoring access to a transport container, the computer program product comprising a computer-readable storage medium having computer-readable program code portions stored therein, the computer-readable program portions comprising:

15 an executable portion for communicating an activation code and data corresponding to the contents of the transport container to an activation key, said executable portion communicating an activation signal to a monitoring unit, and wherein said executable portion receives data corresponding to the access incidents from the monitoring unit.

20 27. A computer program product according to Claim 26 wherein said executable portion communicates a deactivation code to a deactivation key, and wherein said executable portion receives data corresponding to the contents of the transport container and the data corresponding to the access incidents.

28. A method for monitoring access to a transport container, comprising:
identifying an activation key;
activating at least one sensor structured to detect incidents of access to the
transport container;
- 5 receiving data corresponding to the access incidents from the at least one
sensor; and
- communicating the data corresponding to the access incidents to an interface
unit.
- 10 29. A method according to Claim 28 further comprising storing the data
corresponding to access incidents in a data repository.
- 15 30. A method according to Claim 28 further comprising receiving an
activation code and data corresponding to the contents of the transport container from
the activation key.
31. A method according to Claim 28 further comprising identifying a
deactivation key and, subsequent to said second identifying step, communicating the
data corresponding to the access incidents to the deactivation key.
- 20 32. A method according to Claim 31 wherein said second identifying step
comprises receiving a deactivation code from the deactivation key.
- 25 33. A method according to Claim 32 further comprising communicating to
the deactivation key the data corresponding to the contents of the transport container.

34. A method for activating and deactivating a monitoring unit for monitoring access to a transport container, comprising:

communicating an activation code and data corresponding to the contents of the transport container to an activation key;

5 communicating an activation signal to a monitoring unit; and receiving data corresponding to the access incidents from the monitoring unit.

35. A method according to Claim 34 further comprising communicating a deactivation code to a deactivation key and, subsequent to said third communicating step, receiving data corresponding to the contents of the transport container and the data corresponding to the access incidents.